research position
starting January 1st, 2020
(E13 TV-L, non-permanent position)

Your Tasks
The digitization of biomedicine and health care is one of the most driving topics of our times. The creation, advancement and implementation of methods, tools, and software that support and improve modern biomedicine and medicine is therefore one of the most relevant research areas at the interfaces of Data Science and Computational Biology.

The group "Biomedical Data Science", which will be founded in January 2020 (Principal Investigator: Alexander Schönhuth), will put the clear focus on related issues in computational biomedical research. The emphasis on topics covered will be on big data analysis and management, related computational methods, and high throughput technologies. The (effective and wise) use of artificial intelligence in computational personalized medicine, for example for optimizing therapy strategies and selecting treatment options, and the development and implementation of mathematical and computational techniques that serve the purposes of modern biomedicine.

Your Profile
We expect
- Master degree above average (at least 2,0) on closely related topics
- good command of English (written and spoken)
- good computer skills and enthusiasm for computer science/mathematics when applied for driving issues in biomedicine
- interest in research activities that optimally lead to the degree of PhD
- good knowledge of the English language
- good communication skills and interest in interdisciplinary collaboration
- good knowledge of programming languages, and/or the talent and willingness to learn new programming languages
- prior knowledge about one of the research topics listed above (such as, for example, artificial intelligence/big data analytics, computational genomics/genetics, algorithms, bioinformatics)
- personal motivation and fascination for one or several of the topics from above

The exact choice of topic can be determined in personal discussions, according to personal preferences and strengths.

Remuneration
Salary will be paid according to Remuneration level 13 of the Wage Agreement for Public Service in the Federal States (TV-L). As stipulated in § 2 (1) sentences 1 of the WissZeitVG (fixed-term employment), the contract will end after four years. In accordance with the provisions of the WissZeitVG and the Agreement on Satisfactory Conditions of Employment, the length of contract may differ in individual cases. The employment is designed to encourage further academic qualification. In principle, these full-time positions may be changed into a part-time position, as long as this does not conflict with official needs.

Bielefeld University places great importance on a work-family balance for all its employees. In particular, the following programmes are offered: Healthy Working, Counselling, Family, and External Training and Further Training Programmes. Employees have the opportunity to use a variety of health, counselling, and prevention programmes. Bielefeld University is particularly committed to equal opportunities and the career development of its employees. It offers attractive internal and external training and further training programmes. Employees have the opportunity to use a variety of health, counselling, and prevention programmes. Bielefeld University places great importance on a work-family balance for all its employees.

Application Procedure
For full consideration, your application should be received via either post (see postal address below) or email (a single PDF) document sent to alexander.schoenhuth@uni-bielefeld.de by the 20th of November 2019. Please mark your application with the identification code wiss19232.

Please do not use application portfolios and send only photocopies of original documents because all application materials will be destroyed at the end of the selection procedure. Further information on Bielefeld University can be found on our homepage at https://www.uni-bielefeld.de. Please note that the possibility of privacy breaches and unauthorized access by third parties cannot be excluded when communicating via unencrypted e-mail. Information on the processing of personal data is available at https://www.uni-bielefeld.de/Universitaet/Verwaltn/Allgemeines/Verwaltungsrichtlinien/2019_05-Termine_english.pdf.

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Bielefeld University has received a number of awards for its achievements as an equal-opportunity employer and has been recognized as a family-friendly university. The university welcomes applications from women. This is particularly true with regard both to academic and technical posts as well as positions in information technology as well as the skilled crafts and trades. Applications are handled according to the provisions of the State statutes on equal opportunity. Applications from suitably qualified handicapped and severely handicapped persons are explicitly encouraged.